

# Moon Shot Requires More Than Capsule

By REYNOLDS KNIGHT  
Christmas is gone for another year, but did you wonder about some of the old customs and legends that have come down through the years?

When you dropped that orange into your youngster's Christmas stocking, did you wonder how the custom started? Or why candles always play their important Yuletide part?

Legend says St. Nicholas, Bishop of Myra in the fourth century, dropped a bag of gold down the fireplace chimney of a poor merchant to help his needy family. The bag fell into a stocking hung to dry and today's custom keeps alive the memory of the Bishop and his Christmas charity. (The word orange comes from the Latin aurum: gold.)

The candles? They light the way to the Christ Child, for whom legend says there was no light in the stable at Bethlehem.

And few Americans know the custom of the Christmas tree came to America in 1776, brought here by homesick Hessian soldiers with the British army in the Revolutionary War.

**MOON SHOT**—Sending a man to the moon requires a great deal more than a capsule and a rocket to get it there. It takes engineering support services; technical shop operations; propellant services; ordnance storage and check-out; materials testing and cleaning services; and operation of converter-compressor facilities.

The Bendix Field Engineering Corp., a subsidiary of The Bendix Corp., will do all these chores in connection with the Apollo lunar shot and also operate Launch Complex 39 at John F. Kennedy Space Center from which the space vehicle will be fired.

To provide all these services requires a young army

of engineers, technicians and administrative personnel. Bendix expects to have 300 working on the project by the end of the first year, early in the fall of 1965.

**KEY TO OIL**—Future development of America's oil shale industry depends partly on action by Uncle Sam with regard to his large oil shale holdings, especially in Colorado. This opinion of The Oil Shale Corp. was given to government officials recently at a closed-door session of the Interior Department Oil Shale Advisory Committee. In Colorado, where recoverable oil shale reserves are estimated at 480 billion barrels, the government owns 84 per cent of such reserves and unless these tracts are opened to development by private companies, many such companies will be excluded from actual production, says Hein I. Koolsbergen, TOSCO president. The necessity for government release of its oil

shale lands to private development grows out of the fact that only a relatively few companies "by the accident of history or because of foresight" have already acquired workable reserves, Koolsbergen noted.

TOSCO, which recently patented retorting systems through which shale crude oil can be produced at the competitive price of \$1 to \$1.30 a barrel, plans to make available to the industry "on equitable terms and conditions" the technologies developed by the company over the last decade.

**SCIENCE NEWS**—Lighting and heating engineers are getting together to put lighting systems to work heating office buildings. The goal is brightened by the fact that for every dollar spent for electric light, only one-sixth of the money pays for the light; the rest goes for pure, untapped heat. A step in this direction has been

taken by a leading bulb maker who has produced a bulb that expels 75 per cent more or more of its heat through use of a special reflector. It is believed the new bulbs could readily be adapted for use in the heat-from-light concept.

A new convenience aid for respiratory cripples has been developed. The intermittent positive breathing apparatus, as it is known, has fingertip controls for use of doctor or patient, is light in weight and permits the patient to move freely about his room. The unit is worn around the neck, delivers a pre-set mixture of oxygen and air, and is adaptable for use with either piped-in or cylinder oxygen. Researchers at the National Institute of Dental Research estimate that men, women and children in the United States have at least one billion cavities in their teeth.

remover, for use on any quarter-inch drill motor. Tool is a series of steel cutting heads that rotate rapidly scraping away paint, or corrosion, from steel, concrete or wood. Cutters are replaceable. For breakfast in bed, a hot-and-cold tray with built-in cold spot that allows both hot and cold foods to be served at once. For field workers in radiation areas, a pocket radiation detector weighing five ounces. Has built-in alarm that can be pre-set for safe radiation level. New auto heater hose for trucks, buses and taxi fleets carries five-year guarantee. Is produced of chemical rubber compound

ing which resists oil, anti-freeze, greases, acids, hot water and rust inhibitors.

**BITS O' BUSINESS**—Department of Labor statistics show that the level of unemployment dropped 5 per cent in November, when the 3.4 million unemployed total was the lowest for the month since 1957. Beet sugar production in 1965 will be under acreage limitations for the first time in several years, with growers in 22 states permitted to plant 1,375,000 acres. Gross national product of \$660 billion has been forecast by an economist for the Life Insurance Association.

**Who's Who**  
Ciela Hammond, instructor in mathematics at El Camino College, has been listed in "Who's Who in American Education." Another ECC faculty member, history instructor Dr. Albert Karr, previously was listed.

**LOOK BOTH WAYS**  
If you are in the front line of traffic at a stop signal, look both ways before proceeding when the light turns green. There may be a slow pedestrian in the crosswalk or a motorist—who has run the red light—in the intersection.

Why eat hamburger when you can enjoy **STEAK** FOR THE SAME PRICE ... or less  
High Protein... Low Calorie... Perfect for Sandwiches



# NEW YEAR!

All Market Basket Stores Will Be **CLOSED NEW YEARS DAY** Friday, January 1.

**ALL GROUND BEEF IS NOT ALIKE...**  
So-called "Bargain" ground beef... you're paying for low cost fat. Our ground beef is lean meat with just the right amount of fat for a rich, savory flavor... only wholesome lean scraps and waste trimmed before being ground. Always FRESH, too, because it's ground every day.  
If it and don't agree that Market Basket beef is better, we'll gladly refund the price you paid for it! And wonderful Market Basket ground beef costs no more... often less.

FULLY COOKED, SMOKED, THICK CENTER CUTS FOR BAKING  
**Ham Slices** LB. 89¢

FULLY COOKED, SMOKED, FOR FRYING OR BROILING  
**Ham Slices** CENTER CUT LB. 89¢

FARMER JOHN OR LUER SKINNED, SMOKED, FULLY COOKED  
**Hams** BUTT PORTION LB. 49¢ (as cut)



LB. **45¢**

5-LB. CAN **\$3.49**

SPRINK HALF LB. **45¢**

LB. **69¢**

FRESH EASTERN **Whole Pork Leg** LB. 49¢  
OVER-READY **Pork Leg** BUTT PORTION LB. 59¢  
FRESH CENTER CUT LEG **Pork Steaks** LB. 89¢

**NO**  
EFFECTIVE TABLETS  
INCLUDES 15c OFF)  
46-OZ. PACKAGE  
**55¢**

F & P WHOLE PEELED

**Tomatoes** 3 29-OZ. CANS **69¢**

HEINZ **Tomato Soup** 10 3/4-OZ. CAN **9¢**

BEVERAGES FOR HOLIDAY ENTERTAINING (NO-DEPOSIT BOTS.)  
**White Rock** 4 28-OZ. BOTS. **\$1**

GINGER ALE, VODKA MIX, WHISKEY SOUR MIX, QUININE WATER

ORANGE DRINK

**Tang** 18-OZ. JAR **89¢**

INCLUDES 8c OFF

BATH BARS, 2 FOR 31¢

**Camay Soap** 2 REG. BARS **21¢**

BATH BARS, 2 FOR 41¢

**Zest Soap** 2 REG. BARS **29¢**

DETERGENT

**Cheer** 54-OZ. PKG. **79¢**

FOR COOKING, SALADS

**Wesson OIL**

SAVE 14¢

**29¢**

24-OZ. BOT.

IMPORTED CANADIAN WHISKEY

**Mount Royal** 86.8 PROOF FIFTH **\$4.49**

CHOICE BLEND TO PRODUCE LIGHT SCOTCH

**Dumfries Scotch** 84 PROOF FIFTH **\$4.79**

JACQUES BONET AMERICAN BULK PROCESS

**Champagne** FIFTH **\$1.99**

DRY, PINK OR SPARKLING BURGUNDY

LE DOMAINE NATURAL BOTTLE FERMMENTED

**Champagne** FIFTH **\$2.49**

DRY, PINK OR SPARKLING BURGUNDY

A RARE DISTILLED LONDON DRY GIN

**Mount Royal Gin** FIFTH **\$3.29**

85 PROOF

MINUTE MAID FROZEN

**ORANGE JUICE**

LARGE 12-OZ. CAN **49¢**

BETTY CROCKER 28-OZ. PACKAGE

**Pancake Mix** **33¢**

GOLD LABEL INSTANT

**Potatoes** 2 6 1/2-OZ. PKGS. **31¢**



ASSORTED  
**HI C DRINKS**  
CHOOSE FROM 6 DELICIOUS FLAVORS  
SAVE 40¢  
**4** 46-OZ. CANS **\$1**

MARKET BASKET  
VACUUM PACKED  
**COFFEE**  
2-LB. CAN **\$1.29**  
1-LB. CAN **59¢**  
SAVE 14¢

GOLDEN GRAIN BEEF OR CHICKEN  
**Rice-A-Roni** 3 8-OZ. PKGS. **\$1**

JERSEYMAID FIRST QUALITY  
**Butter** GRADE AA 1-LB. CTN. **69¢**

INSTANT COFFEE (INCLUDES 20c OFF)  
**Sanka** 8-OZ. JAR **\$1.69**

HILLCREST  
**Catsup** 2 14-OZ. BOTS. **21¢**

HEIFETZ HOME STYLE  
**Pickles** 48-OZ. JAR **59¢**

MAXWELL HOUSE (INCLUDES 30c OFF) 10-OZ. JAR **\$1.59**

BIRDS EYE FROZEN 10-OZ. PKG. **49¢**

**Strawberries** 2 FOR **49¢**

NORTHERN (THREE 4-ROLL PKGS.)  
**Toilet Tissue** 12 ROLLS **\$1**

EVEREADY—STANDARD FOR MOST BATTERY OPERATED TOYS, SIZES "C" OR "D"  
**Batteries** 2 FOR **25¢**

ALL PURPOSE  
**Comet Cleanser** 2 14-OZ. CANS **33¢**

REGULAR OR MENTHOL 11-OZ. KING SIZE AEROSOL **79¢**

REMOVABLE FLANNEL COVER, 1-YEAR GUARANTEE  
**Colgate Instant Shave** CAN **\$2.10**

BRILLE-TYPE 3-POSITION SWITCH  
**Century Heating Pad** SQUIBB "1600" **\$2.10**

REG. 2 FOR **98¢**

**Angle Toothbrush** CONCENTRATED FORMULA **98¢**

**Subdue Shampoo** 3-OZ. TUBE **\$1**

